

## POWER SUPPLY FOR ELECTROCHROMIC MIRRORS IN HIGH VOLTAGE AUTOMOTIVE POWER SYSTEMS

### ABSTRACT OF THE DISCLOSURE

A rearview mirror assembly is disclosed including a housing adapted to be mounted to the vehicle, a mirror disposed in the housing, at least one electrically powered device disposed in the housing, and a power supply for receiving power from a vehicle power source having a voltage in excess of about 24 V and for supplying power at a voltage of about 5 V or less to the electrically powered device. The electrically powered device and the power supply exhibit an electromagnetic interference level of less than about 41 dB $\mu$ V/m for emissions in the frequency range from about 0.4 MHz to about 20 MHz. The mirror is preferably an electrochromic mirror, and the electrically powered device may be a control circuit for the electrochromic mirror.